Overview

The Solecis AVS-SL-0201-834 (**FG1330-1401-01**) is a dual input PC interface with audio. Known as the 'Xtra 2' because of its additional input for laptop, visualiser or scaler. Switching between sources can be controlled from RS232, the front panel, auto switching with priority or via contact closure connection.

Two simultaneous main outputs are available on both BNC and HD-15 connectors. The outputs are both 75 ohm driven with TTL sync restore for connection to long cable runs. The audio inputs follow the video and are converted to balanced or unbalanced outputs.

The AVS-SL-0201-834 may be used as a Single-Input Interface or a 2-Input Switcher.

(front)

(rear)

FIG. 1 Solecis AVS-SL-0201-834

Product Specifications

Solecis AVS-SL-0201-834 Specifications	
RGB Input	
Number:	2
Connectors:	HD-15
Level:	Analog
Max Level:	1V p-p
Impedance:	75 ohm
Sync Input	
Type:	Analog or TTL
Max. Level:	5V p-p
Impedance:	470 ohm
Audio Input	
Number:	2
Connector:	3.5mm stereo
Type:	Unbalanced analog
Max. Level:	2V p-p
Impedance:	47k ohm
RGB Video Bandwidth:	• Channel A - 250MHz -3dB • Channel B - 250MHz -3dB RGB
RGB Return Loss:	-45dB@10MHz, -32dB@100MHz
Sync Processing:	None
RGB Output	
Number:	2
Connectors:	• 5 x BNC • 1 x HD-15
Level:	Analog
Gain:	Unity
Impedance:	75 ohm

Solecis AVS-SL-0201-834 Specifications (Cont.)	
Sync Output	
Level:	TTL
Impedance:	75 ohm
Audio Output	
Number:	2
Connectors:	Captive-wire (L/R)
Type:	Balanced/Unbalanced
Impedance:	600 ohm
Control	
Switch	• Contact closure • Auto-switch • Front panel RS232
Power	
Input Voltage:	9-12VDC
Dimensions (HWD):	1.86" x 9.10" x 4.69" (47.2 mm x 231.1 mm x 119.1 mm) • Height includes feet • Depth includes connectors
Weight:	2.9 lbs. (1.3 kg)
Included Accessories:	PS4.4 power supply (FG423-44)
Certifications:	• CE • FCC class B, part 15 • RoHS/WEEE compliant

Safety Instructions

Please read these instructions before using your AMX Solecis device. Failure to comply with these instructions could result in fire, electrical shock, personal injury, death, or damage to the equipment.

Liquid Spills

Do not set drinks on top of the unit or immerse the unit in liquid.

Do Not Disassemble

This device contains no user serviceable parts. All servicing must be performed by a qualified service technician.

For Safety Reasons

- *Do not place the unit on an unstable surface.*
- *Do not use near water or sources of heat.*
- *Use only recommended attachments.*
- *Use the type of power supply as specified.*
  Unplug the power to the unit and refer servicing to qualified personnel under the following conditions:
- *If liquid has been spilled or the unit has been exposed to rain or water.*
- *If it does not operate normally when the operating instructions are followed or if it exhibits a distinct change in performance indicating a need for service.*
- *If the unit has been dropped or the cabinet damaged.*

Computer Connections

Audio Connection

Connect the sound output from the Computer to the sound input corresponding to the input the video signal is connected.

- Use a 3.5m stereo jack cable.

Display Connection

The video signal from the unit outputs on BNC and HD-15.

Connect the output from the unit to the Input of a projector or monitor using approved 75ohm coax cable.

The unit may be used to drive 2 display devices.

Video Pin Connections

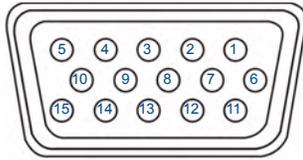FIG. 2 provides the pin layout for the RGBHV HD-15 connectors:

FIG. 2 RGBHV HD-15 connector

The pin configuration for the HD-15 (video) connector are as follows:

1 - RED	9 - n/c
2 - GREEN	10 - SYNC GROUND
3 - BLUE	11 - n/c
4 - n/c	12 - n/c
5 - n/c	13 - H SYNC
6 - RED GROUND	14 - V SYNC
7 - GREEN GROUND	15 - n/c
8 - BLUE GROUND	

Switching On Equipment

Connect the unit to a Mains power source and turn on at the Mains. Either the Input A or Input B button will illuminate to indicate the unit has powered up.

Setting Up the Mode of Operation

Rear Panel DIP Switches					
Control	1	2	3	4	Notes
Manual Switch	⇓	⇑	⇑	⇑	Front Panel Operation
Auto Switch - Normal	⇑⇓	⇑	⇓	⇑	Last Detected Input
Auto Switch - Priority	⇑⇓	⇑	⇓	⇓	Input B Priority
Contact Closure - Momentary	⇑⇓	⇑	⇑⇓	⇑⇓	Bell Button Toggle
Contact Closure - Latching	⇔	⇓	⇔	⇔	Logic State Closed Input A
RS232	⇔	⇓	⇔	⇔	Serial Control
⇑-switch up, ⇓-switch down, ⇔-function disabled, ⇑⇓ -switch up or down					

Switch Functions

- 1 - Manual Switch Off / On
- 2 - Remote Control Off / On
- 3 - Auto Switch Off / On
- 4 - Auto Switch Normal / Priority

Manual Switch - Front Panel Operation

1. Power up switcher.
2. The Green LED A will light to indicate power present and A Input is switched.
3. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
4. Press INPUT SELECT button to change between Input sources.

Contact Closure

Toggle Switch

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

- A momentary switch can be wired across connections A and B on the rear panel.
- Manual and auto switch can also be enabled or disabled in this Toggle mode of operation.

Latching

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

- With control pins A and B open the unit will switch to Input B.
- When control pins are closed the unit will switch to Input A.

Note: When Dip switch 2 is set to Latch or RS232 all other functions will be disabled.

RS232 Mode

1. Power unit down.
2. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
3. Connect RS232 cable to Control pins as follows:
   - TX - Pin A (RX)
   - GND - Pin B (GND).
4. Power up unit.

Set System Protocol as follows

- Baud - 9600
- Data - 8 Bits
- Stop - 1 Bit

Switch Commands

Note: Numbers are shown in HEX.

Input A		
Byte 1	**Byte 2**	**Byte3**
FE	00	0A

Input B		
Byte 1	**Byte 2**	**Byte3**
FE	00	0B

Note: When an RS232 cable is connected to the Control socket all other functions will be disabled.

Auto Switch - Normal

Set Dip switches as shown in the *Rear Panel DIP Switches* table.

Auto-Switching

The unit scans the VERTICAL sync inputs of input A and B. If any signal sources are active the unit will switch to the last detected input.

To switch between two active sources either disconnect the source and reconnect or use the laptop video toggle mode to turn the Video output off then on again (usually by holding the FN key with a Function key).

To operate in auto switch mode with manual override switch Manual dip down to the On position.

Auto Switch - Priority

1. Set Dip switches as shown in the *Rear Panel DIP Switches* table.
2. When a signal is applied to Input A the unit will automatically switch to A.
3. When the signal is removed from Input A the unit will switch to Input B.
4. To operate in auto switch mode with manual override switch Manual dip down to the On position.